

REMARKS

This paper is submitted in reply to the Office Action dated May 17, 2005, within the three-month period for response. Reconsideration and allowance of all pending claims are respectfully requested.

In the subject Office Action, claim 13 was objected to based upon informalities, and claims 1-2, 5-7, 9-18, 21-23 and 25-27 were rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 5,764,238 to Lum et al. The Examiner did indicate, however, that claims 3-4, 8, 19-20 and 24 were directed to allowable subject matter.

Applicants respectfully traverse the Examiner's rejections to the extent that they are maintained. Applicants have canceled claims 2-3 and 18-19 and amended claims 1, 4-6, 8, 13, 17, 20-22, 24 and 27. Applicants respectfully submit that no new matter is being added by the above amendments, as the amendments are fully supported in the specification, drawings and claims as originally filed.

Now turning to the subject Office Action, and specifically to the objection of claim 13, the Examiner will note that Applicants have amended the claim as required by the Examiner. Withdrawal of the objection to claim 13 is therefore respectfully requested.

Next, with regard to the rejections of independent claims 1 and 17, the Examiner will note that these claims have respectively been amended to incorporate the subject matter of objected-to claims 3 and 19. Claims 2-3 and 18-19 have been canceled, and claims 4-6 and 20-22 have been amended, for consistency with the amendments to claims 1 and 17. Furthermore, the Examiner will note that objected-to claims 8 and 24 have been amended to independent form, including the limitations of their respective base and intervening claims. As the Examiner has previously acknowledged the patentability of claims 3, 8, 19 and 24, Applicants respectfully submit that independent claims 1, 8, 17 and 24, as well as claims 4-7, 9-16, 20-23 and 25-26 which depend therefrom, are now in

Page 10 of 12
Serial No. 10/728,347
Amendment and Response dated August 17, 2005
Reply to Office Action of May 17, 2005
IBM Docket ROC920030197US1
WH&E IBM/260
K:\ibm\260\Amendment and Response re 5-17-05 OA.wpd

condition for allowance. Reconsideration and allowance of these claims by the Examiner are therefore respectfully requested.

Finally, with regard to the rejection of independent claim 27, this claim recites a method of scaling a graphical image that includes transferring image data for a source image from a memory to a horizontal filter such that the horizontal filter receives the image data arranged into a plurality of horizontally-arranged partitions, with each partition including a plurality of lines of image data, horizontally scaling each line of image data in each partition using the horizontal filter to generate a plurality of horizontally-scaled lines of image data, and vertically scaling the plurality of horizontally-scaled lines of image data using a vertical filter to generate a scaled image. The claim also recites that the vertical filter includes at least one line buffer configured to store the horizontally-scaled lines of image data, that each horizontally-scaled line of image data has a width that is no greater than that of the line buffer, and that the overall width of the scaled image is greater than that of the line buffer.

Claim 27 has additionally been amended herein to recite the steps of (1) initiating a partition boundary save operation upon processing of a last line of a first partition, and (2) initiating a partition boundary restore operation prior to processing a first line of a second partition to retrieve the stored boundary conditions for use during image scaling of the second partition. As the Examiner has acknowledged in connection with objected-to claims 3-4, 8, 19-20, and 24, the prior art of record does not disclose or suggest image scaling that relies upon partition boundary save and boundary restore operations. Accordingly, Applicants respectfully submit that claim 27 is also patentable over the prior art of record for the same reasons as the aforementioned objected-to claims. Reconsideration and allowance of claim 27 are therefore respectfully requested.

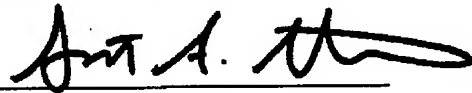
Page 11 of 12
Serial No. 10/728,347
Amendment and Response dated August 17, 2005
Reply to Office Action of May 17, 2005
IBM Docket ROC920030197US1
WH&E IBM/260
K:\ibm\260\Amendment and Response re 5-17-05 OA.wpd

In summary, Applicants respectfully submit that all pending claims are novel and non-obvious over the prior art of record. Reconsideration and allowance of all pending claims are therefore respectfully requested. If the Examiner has any questions regarding the foregoing, or which might otherwise further this case onto allowance, the Examiner may contact the undersigned at (513) 241-2324. Moreover, if any other charges or credits are necessary to complete this communication, please apply them to Deposit Account 23-3000.

17 AUG 2005

Date

Respectfully submitted,



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Page 12 of 12
Serial No. 10/728,347
Amendment and Response dated August 17, 2005
Reply to Office Action of May 17, 2005
IBM Docket ROC920030197US1
WH&E IBM/260
K:\ibm\260\Amendment and Response re 5-17-05 OA.wpd